THE QUADRANGLE

A Newsletter for Alumni and Friends

College of Engineering

University of Hawaii at Manoa

Spring 1993

Professor, student honored at banquet

Left to right: Young Engineer of the Year Kenneth Fan, Engineer of the Year Harold Hamada and Student Engineer of the Year Lee Tokuda.

The College of Engineering was well-represented at the 1993 Engineers Week Banquet. Harold Hamada, civil engineering department chairperson, was honored by fellow engineers as Engineer of the Year while electrical engineering student Lee Tokuda received the Student Engineer of the Year award.

The banquet took place at the Dole Lanai ballroom on February 19. Close to 200 people attended this event organized by the Hawaii Council of Engineering Societies.

"I was surprised and happy when I found out I got the award. . . I didn't expect to win," Hamada said. "Dr. C.S. Papacostas was instrumental in nominating me for this award."

Nominations for the Engineer of the Year went in earlier this year to a selection committee made of members from the State Chapter of Hawaii Society of Professional Engineers. The committee selected the top engineer based on the following criteria: education, technical accomplishments, professional history and contributions, civic and community contributions, and the nominator's comments on why the candidate should receive the award.

Hamada is no stranger to honors and awards. In 1989, the American Society of Civil Engineers(ASCE) awarded Hamada for his outstanding service and named him a Fellow of ASCE. He travelled to Tokyo as a Visiting Scholar to Nihon University in 1987 and to the Science University of Tokyo in 1984. In addition, Hamada has been listed in **Who's Who in Engineering** and in **American Men of Science**. He is also a member of Chi Epsilon, a national honorary society for civil engineers; and Sigma Xi, a national organization for the advancement of research.

Hamada received his B.S. in civil engineering from the University of Hawaii in 1957. He then completed both his M.S. and Ph.D. at the University of Illinois. Before returning to the islands, Hamada worked as a project officer at the Air Force Weapons Laboratory of Kirtland AFB in New Mexico. Hamada was also a researcher for the Theoretical Physics Department of the Lawrence Radiation Laboratory at the University of California at Livermore, and worked as Project Structural Engineer for Thomas Lum and Associates here in Hawaii. In addition, he has done private consulting with several local engineering firms.

Hamada joined the faculty of the civil engineering department at UH in 1967 and has been serving as department chairperson since 1990. As chairperson, Hamada oversees an annual budget of approximately $2 million, coordinates the faculty teaching schedule and performs other administrative responsibilities related to the department.

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Harold Hamada is the fourth faculty member from the College of Engineering to receive the Engineer of the Year award. The other awardees were John Shupe in 1979, Paul Yuen in 1983 and Arthur Chiu in 1989.

White House uses software developed by UH alumnus

Lance A. Tokuda (EE 86)

Using RESUMIX, a product developed by UH engineering alumnus Lance Tokuda, President Bill Clinton's transition team has screened thousands of resumes for personnel to staff the new administration.

A UH engineering alumnus has developed a software program that will help companies drastically reduce hiring costs and shorten the process in filling new positions.

Like a high-tech dating service, Lance Tokuda's Resumix 3000 software finds the right people for certain job positions. The software scans in a resume, converts the image to text, extracts important information such as an applicant's education, skills and work experience, and transfers such information into a database. It then screens the resumes and matches them with the desired needs of an organization.

The software is not cheap. Depending on the version, it can cost from $60,000 to $500,000.

But Tokuda, a 1987 electrical engineering(EE) alumnus, believes the software can reduce recruiting efforts by about 50 percent.

"It reduces fees paid to agencies to hire people," he said. "The average company will make the money back in about a year. Before, the process was manual. For example, (a company) receives maybe 200 resumes a day which would have to be sorted and distributed. Now it can be done through the computer."

Tokuda, who is also the principal engineer of California-based Resumix Inc., says the software is especially useful for organizations that receive thousands of resumes from job seekers.

The Resumix staff had a chance to demonstrate the software to President Bill Clinton at the White House. However, the press nearly botched the entire demonstration.

"Some reporters pulled the plugs and the network went down. Our support engineers had to set up a two machine network. But by the time he (Clinton) got to the terminal, it was working," Tokuda said.

Tokuda says Clinton liked the software and his staff is renting it for "a lot."

"Clinton's transition team is going to receive about 100,000 resumes," Tokuda said. "They have to hire about 4,000 personnel for the new administration and most of them will be hired through this system."

Tokuda is planning to attend graduate school at the College of Engineering in the Fall 1993 semester. He will be studying natural language processing, knowledge based systems and expert systems.

"I've invested a lot of stock in the company," Tokuda said. "I've gone through the complete software engineering life cycle about three times and there's much more that I can gain from academic research."

Kazutoshi Najita, EE professor and graduate chairperson, described Tokuda's performance in his EE 324 Physical Electronics course as "exceptional."

"He had a flare for innovative solutions to problems and ideas," Najita said. "Lance has the intellectual capacity and the drive to make significant technical contributions.

College proposes course to improve students' skills

The UH Board of Regents received a request from the Department of Electrical Engineering to establish a new course to develop vital personal and management skills perceived by several engineering faculty members to be lacking in many students today. Proposed for start-up in Fall 1993, EE 101 has been developed by Professor James Holm-Kennedy.

This freshman-level course is designed to help students develop skills in technical communication and writing, group interaction and dialogue, and creative problem solving including brainstorming. In addition, students taking this course will also learn about assertiveness, initiative and self-confidence.

"I'm very enthusiastic about this course," says Holm-Kennedy, who has been developing special education and training technologies for more than 15 years. "The students will learn skills that will provide them with a professional edge, a study edge and a learning edge. The earlier these skills are acquired, the better the learning experience."

The course objectives reflect needs identified by Holm-Kennedy through his personal experiences and numerous inquiries directed to industrial recruiters and managers regarding major weaknesses they say that they have identified in new hires nationwide.

Prior to the course proposal, Holm-Kennedy taught such skills to his senior and graduate students and to professional engineers. After entering the work force, many of Holm-Kennedy's students reported back that these skills gave them a distinct advantage over many of their competitors who graduated from other institutions.

Hamada, Tokuda honored at banquet

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Student Engineer of the Year Lee Tokuda was one of three students nominated for the award by the College of Engineering.

Tokuda, who holds a cumulative GPA of 3.65, has received honors including a four-year scholarship from Hui Makaala and an award for outstanding pledge project from Eta Kappa Nu, an honorary electrical engineering society for which he now serves as the president.

Tokuda spends a lot of time performing community services as a way of returning what he has received.

"One tenet that I firmly believe in is to always give back to those who helped you, whether they be friends, an organization or even your community," Tokuda said. "Nearly everything you have achieved would not have been possible without the work and sacrifices of others before you."

Tokuda's volunteer services reach different sectors of the community. At the College of Engineering, Tokuda volunteered for various open house events and has been serving as a peer counselor and tutor.

He helped out at the Castle Elementary Speech Festival as Student Coordinator and has been coaching the Forensic Squad at his alma mater, Castle High School, since 1989.

In addition, Tokuda has been active in the community by providing assistance to organizations such as the Salvation Army, UNICEF and the Aloha United Way.

Tokuda, currently an undergraduate student in electrical engineering, plans to graduate this spring and pursue his graduate and doctoral studies here at UH. He will be concentrating on the study of artificial intelligence software design to prepare himself for a career in software engineering.

Congratulations Fall '92 graduates

Doctor of Philosophy

Mechanical Engineering

Xiao-Dong Xu

Master of Science

Civil Engineering

Scott A. Bernotas
Ahmed A. Eltahan
Amalia F. Firman
Ravindra B. Gogineni
Qiming Huang
Gregory T. Maesaka
Terra L. McParland

Electrical Engineering

Eric L. Miller
Thomas J. Pastore
Sung Mo Yang

Mechanical Engineering

Eldon K. Cheng
Kishan V. Gonugunta
Leonard S. Greer
Michael Y. Lee
Devadas V. Patil

Bachelor of Science

Civil Engineering

Dao Ming Huang
Davin K. Ing
Gary Y.T. Kam
Ken C. Kawahara
David Lee
Jadine Y. Matsuda
Robert T. Moriwaki
Rodney H. Nagao
Corey B. Shibata
Wesley T. Toyota
Walter T. Yogi
Gerald Z. Yonashiro
Bryce E. Yoshimori

Electrical Engineering

Omar D. Boulden
Chun Sing Chan
Nathan K. Higa
Robert S. Kaneshiro
Myung Suk Kang
Roger M. Kobayashi
Chung Yiu Lau
Catherine L.B. Liew
Kyong T. Lim
Hock-Leong Low
Greg Y. Matsui
Gail A. Miyamoto
Ryan M. Ogasawara
Grant A. Oka
Mark K. Uyehara
Frank C.Y. Wong

Mechanical Engineering

Rolfe G. Banes
Derek K. Ho
Francis J. Iriarte
Michael H. Kang
Dennis B. Kim
Lynette T. Marutani
Raymond G.C. Ng
Guy D. Pacarro
Brent R. Shimizu
Darrin M. Tanaka
Darren J. Thom
Truc-Giang C. Tran
Craig S. Ueda
Todd T. Yamamura

Since the University of Hawaii's establishment in 1907, the College of Engineering has had a total of 5,962 B.S. graduates, 955 M.S. graduates and 77 Ph.D. graduates.

You are invited to...

Join the Engineering Alumni Association (EAA) or renew your 1993 dues. Association Vice President Ryo Nakamoto, membership renewal chair, encourages all alumni to be actively involved. As a member, you will help fund student activities, promote fellowship, and help to contribute to the overall growth of the College and the University.

The $10 per year membership fee is on a rolling calendar; it lasts for one year from the date your dues are received.

Alumni can also join the University of Hawaii Alumni Association (UHAA), the "umbrella" organization which assists all alumni groups of the University. Membership provides many special privileges and anouncements of activities. Dues vary with where you live and are paid yearly on a rolling calendar basis like the EAA. For new graduates (within the last twelve months) on Oahu, dues are $25. For one person living on Oahu, pay $35; a couple on Oahu would pay $45. If you live on the neighbor islands or the mainland, it's $20; a couple in the same locations pays $30. UHAA also offers lifetime memberships of $500 for a single person, $800 per couple. All of the UHAA dues include EAA dues.

Upcoming events include:

- UHAA Annual Dinner, May 13--recognize the 1993 Distinguished Alumni awardees and the members of the Reunion Classes of 1943 and 1968.
- EAA Annual Meeting, mid-June--Luncheon meeting to elect officers and find out about new directions for the association.
- UHAA Tour to the Big Island, June 25-27--travel to the Big Island for an exciting weekend with fellow alumni.
- EAA Golf Tournament, August--Join fellow alumni for a shotgun start tournament at Waikele.

Geotechnical engineering endowment grows

UH alumnus Bob Y.K. Wong, president of C.W. Associates Inc. (dba Geolabs-Hawaii) has recently added to his College of Engineering endowment fund.

The Geolabs-Hawaii Geotechnical Engineering Endowment, established by Wong early last year, is approaching $200,000.

"I wanted to build the endowment a bit larger so that the income generated will increase and we can do more special activities," Wong said.

In December 1992, Wong donated 1,700 shares of common stock from Philip-Morris and Dole Foods to the endowment. The mean price for the 1,700 shares as of January 1993 was around $100,000.

Sheryl Nojima, external relations specialist, said the UH Foundation hired a broker to sell the stock and distributed the net proceeds back into the endowment.

Interim Dean Reginald Young expressed appreciation for Wong's added contribution. "It was a pleasant surprise that he was able to add to the original gift," Young said. "We thank him for it and appreciate his continued support for our students and our programs."

The expendable income generated from the endowment will be used to support visiting guest lecturers and scholars and short courses for practicing engineers and technicians. In addition, possible future uses include scholarships to graduate students who are interested in a research/work study program at the Manoa campus, income for part-time teaching assistants, the operation and maintenance of lab equipment and computers, and a permanent seminar series on geotechnical engineering.

Civil engineering Assistant Professor Scott Anderson said the additional amount added to the endowment will help to further enhance the geotechnical engineering program.

"It has furthered the visibility of the program within the department and the College," said Anderson, who specializes in geotechnical engineering. "It will build the program in the direction that we want it to go and I hope it will generate further interest from other consulting firms and the community at large."

Wong has been associated with Geolabs-Hawaii since 1973. Geolabs is a Hawaii based geotechnical consulting firm with integrated capabilities for geotechnical engineering analysis and consultation, environmental drilling support and testing, and in-house geophysical exploration using equipment on the island.

The College of Engineering currently has 13 endowments that support scholarships, student activities, professional seminars, faculty travel and equipment.

Electrical engineering endowment established

Sometimes actions speak louder than words. The same has held true for UH engineering alumnus Ronald N.S. Ho.

Ho, corporate committee chair for the College of Engineering's 1992-93 fund drive, established the Ronald N.S. Ho Endowment in Support of Electrical Engineering(EE) Students. It is the first endowment to the EE department in many years.

"I wanted to set an example for other alumni and get them thinking that they also can and should help the college," says Ho, president of Ronald N.S. Ho and Associates.

"I also wanted to help the students so they can become better engineers. The (electrical engineering) program could always use money and this endowment will help towards that end."

EE students can now benefit from the expendable income generated from the $25,000 endowment. The income will cover expenses for the following student projects and activities:

- EE senior design projects
- EE student organization activities
- Engineering Expo
- Career Night

"We're very pleased that a former alumnus is concerned with helping the College achieve its goal of academic excellence," says Shu Lin, EE department chairperson. "In the past, endowments to the department have been very small. Hopefully, the endowment will grow in the future so we can support many more student projects."

Ho says that the old saying of going to the Mainland to get a better engineering education is far from true.

"In the past, people felt that (UH) was a second rate school but I don't think that's true," he said. "We have a good College of Engineering that produces leaders in the industry. I have hired a number of engineers from UH and I see the results of the college's efforts in providing an excellent education."

EE graduate program ranked 36th in nation

In the sixth edition of the Gorman Report, a rating of graduate and professional programs at American and international universities, the graduate program in electrical engineering at the University of Hawaii at Manoa ranked 36th. Massachusetts Institute of Technology ranked first, followed closely by University of California at Berkeley and Stanford University. With scores in the 4.0-5.0 range, Hawaii received a score of 4.24, only 0.04 less than Yale University, which ranked 33.

Engineering student receives service award

On Jan. 14, 1993, College of Engineering student Ronel Pulmano became the first student to receive an Award of Merit from Mayor Frank Fasi's office. The City and County of Honolulu awarded Pulmano for his outstanding contributions to the operations at the H-Power waste to energy facility. Pulmano is currently working there through the university's Co-op Program. Photos: Left, Pulmano receives an award certificate from Mayor Fasi. Above, l. to r., Jim Grogan, Pulmano and Colin Jones. Grogan and Jones are from H-Power Plant; Jones recommended Pulmano for the award.

Fund drive reaches new heights

In spite of a nation-wide economic recession, this year's College of Engineering fund drive has already topped last fiscal year's marks with the strong support of our alumni and friends.

A little more than half way through the 1992-1993 fund drive, gifts and pledges to the College currently amount to $494,000. Last year's total was $378,000.

Both Sheryl Nojima, external relations specialist, and Ronald Ho, 1992-1993 corporate committee chairperson, attributed this year's success to the College's increased fundraising efforts. According to Nojima, these efforts include an expanded corporate committee and an alumni phone-a-thon, both of which increased the donor base by reaching out to previous donors and non-donors.

Nojima said members of the corporate committee went up from 24 to 37 this year. The committee contacted 272 companies locally, of which 54 percent responded and contributed $110,900 to the college.

For the phone-a-thon, 17 alumni volunteers called around 300 alumni. Forty-five percent responded and contributed over $10,000, Nojima said.

Ho pointed out that improved communication between the College and the industry was a key factor in making it through a tough year.

"Dean (Reginald) Young has taken an interest in meeting with industry people and that has helped the fund drive tremendously," Ho said. "His ability to communicate with various engineers in the industry and to take time to be with them has helped to spread the word around."

"We've gone out to try to talk to more people about the College, especially to the local community," Nojima said. "We still have a long way to go but we've started and hope to continue."

Nojima said the College of Engineering is still expecting about $20,000 of funding for scholarships. She said the College will receive a good part of it, which will bring the total of this year's fund drive to over $500,000.

Some of the major contributions this year to the College are:

- Donald Chang Won Kim Endowment for Engineering Student Activities, $100,000.
- Bob Wong's added contribution to the Geolabs-Hawaii Geotechnical Engineering Endowment, $100,000.
- Ronald N.S. Ho Endowment in Support of Electrical Engineering Students, $25,000.

The 1992-1993 fund drive is winding down for now. The College of Engineering has completed most of its heavy campaigning and is planning ahead for next year's fund drive.

Nojima said the College will continue to expand its fund drive by following up on activities that have proven successful, such as the phone-a-thon.

Ho believes that the fund drive will continue to grow and to gain momentum. "Every year, the fund drive has grown and it's still growing. As we emphasize and spread the word about what we're doing, more people will participate and give more money," Ho said.

The College of Engineering started organized fund raising in 1987 and was one of the first colleges within the UH system to begin such effort. Of the current 29 enrichment funds set up for the various schools, campuses and colleges within the system, the UH Foundation reported recently that Engineering topped the list in both number of donors and dollars contributed for the fiscal year 1991-1992.

During a period of four years from 1988 to 1992, the College of Engineering raised approximately $1.3 million through its fund drive efforts.

Faculty highlights

Dr. Ping Cheng

Mechanical engineering department chairperson Ping Cheng received a grant from Motorola in support of his project called "Expert Systems Software for Systems Level Thermal Analysis." The objective of Cheng's project is to develop an expert software computer program that will be used to perform a system-level thermal analysis for hand-held phones and portable computers. The software package will be user-friendly and tailored for designers who may not have thermal background or experience. In addition, the software will be used to simulate transient and steady three-dimensional free convection in compact enclosures such as those occurring in cellular phones and laptop computers.

Dr. Arthur Chiu

The National Science Foundation awarded Arthur Chiu, professor of civil engineering, a grant in support of his project entitled "Post-Disaster Survey of Hurricane Iniki's Impact on Kauai." Chiu will conduct the survey on meteorology, performance of structures, coastal and nearshore damage, and human responses.

Dr. Linda Hihara-Endo

Assistant professor of civil engineering Linda Hihara-Endo received a grant from M & E Pacific, in support of her project entitled "Anoxic Treatability Study for the Wastewater Treatment Facility at Fort Kamehameha, Oahu, Hawaii."

Dr. Joy Laskar

An assistant professor of electrical engineering, Joy Laskar has received a grant from Cascade Microtech, Inc. for his project entitled "Advanced Microwave and Millimeter Wave-on-Wafer Probing Applications", a study of high frequency signals in various complicated structures. Laskar will conduct this project with matching funds from the University Research Council.

Dr. Bruce Liebert

Bruce Liebert, an associate professor of mechanical engineering, received a seed capital award from the Office of Technology Transfer and Economic Development. This award will be used for the project called "Molten Salt Techniques for Reproducible Excess Heat", a joint effort by Liebert and Bor Yann Liaw, an assistant researcher at the Hawaii Natural Energy Institute. The objective of the project is to achieve the reproducibility of excess heat, which may lead to the development of a potentially cheap, clean and abundant energy source.

Dr. Shu Lin

EE department chairperson Shu Lin recently received additional funding from the National Science Foundation for his project entitled "Some Problems in Coding, Coded Modulation, Suboptimum Decoding and Trellis Structure." The goal of the project is to advance the state of knowledge in coding theory and coded modulation techniques, which will have significant impact on coding research and the design of efficient error control systems for reliable data communications.

Dr. Clark Liu

A professor of civil engineering, Clark Liu received additional funding from the National Science Foundation for his project entitled "Development and Testing of a Wave-Driven Artificial Upwelling Device." This project is part of a larger research effort by the university to develop the technology for open ocean mariculture.

Dr. Mehrdad Ghasemi Nejhad

An assistant professor of mechanical engineering, Mehrdad Ghasemi Nejhad received a grant from Allied-Signal Aerospace Co. Bendix Field Engineering Corporation, which will support his project called "Application of Composite and Smart Materials to Space Structures." Composites are being used in increasingly greater quantities in space craft because they offer the advantages of light weight, high specific strength and stiffness, relatively high damping capacity, and a low coefficient of thermal expansion. Nejhad's research is designed to develop a predominantly composite satellite bus employing a total system design and manufacturing (concurrent engineering) approach.

Dr. Peter Nicholson

An assistant professor of civil engineering, Peter Nicholson is associate member director for the Hawaii Section of the American Society of Civil Engineers (ASCE) and serves as chairperson for its geotechnical committee. He represented the Hawaii Section at the ASCE Zonal Management Conference in Seattle. Nicholson attended the 45th Canadian Geotechnical Conference, where he presented a paper on "Dynamic Laboratory Testing to Evaluate Liquefaction in Gravelly Soils."

He received an honorarium from the UH Office of Technology Transfer & Economic Development's Technical Assistance Program, for his technical assistance in designing foundations for historical monuments. In addition to his achievements, Nicholson has designed a new graduate course in civil engineering called "Geotechnical Seismic (Earthquake) Engineering." This course covers aspects of soil dynamics, liquefaction and soil-structure interaction.

Dr. C.S. Papacostas

Professor of civil engineering C.S. Papacostas is secretary of the Hawaii Council of Engineering Societies and member of the Board of the Local Technical Assistance Program for Hawaii, which is part of a nationwide Federal Highway Administration program. He presented a paper on "Computer Administered Surveys" at the Transportation Research Board's 72nd annual meeting and submitted a report entitled "Leeward Oahu Express Bus On-Board Survey" to the Leeward Oahu Transportation Management Association.

Papacostas also attended an organizational meeting as a member of the control group preparing for a National ASCE Conference on Hurricanes to be held later this year in Florida. In addition, he participated in a workshop sponsored by the National Highway Institute on the application of the 1990 census transportation package.

Dr. Michael Smith

Michael Smith, an associate professor of electrical engineering, received additional funding from the National Science Foundation in support of his Presidential Young Investigator project entitled "Computer-aided Analog Integrated Circuit (IC) Design."

Dr. Michelle Teng

An assistant professor of civil engineering, Michelle Teng received funding from the University Research Council in support of her project entitled "Internal Waves Generated by a Moving Surface Pressure Distribution." The project is designed to develop a theoretical wave model that can predict the fully three-dimensional, nonlinear and dispersive internal wave field generated by a surface pressure distribution, such as a hurricane over the ocean.

Dr. James Yee

An associate professor of electrical engineering, James Yee received a grant from the National Science Foundation for his project entitled "Routing in High Speed Networks."

Dr. David Yun

A professor of electrical engineering, David Yun received continued support from the National Science Foundation for his project on "Autonomous Underwater Vehicle for Deep-Sea Borehole Reentry." The goal of this project is to advance the state of the art of autonomous underwater vehicles and to develop technologies needed by geologists to facilitate automatic reentry of deep-sea bore holes so that new exploratory, experimental tools may be deployed economically.

Alumni News

1950s

Roy S. Shimabukuro (CE 52) is president and chief executive officer at SSFM Engineers Inc. He resides in Honolulu. • **Wally Miyahira** (CE 54) works as a senior vice president at Castle & Cooke Properties Inc. He lives in Honolulu. • **Charles S. Yonamine** (CE 56) is employed at the Hawaii State Department of Transportation, Highways Division, as an area engineer. He lives in Honolulu. • **Stanley Doi** (CE 58) is president of Jas W. Glover, Ltd. He resides in Honolulu. • **Ernie Bello** (CE 59) is executive vice president at Tower Construction Inc. He lives in Honolulu. • **Daniel S. Sato** (CE 59) is sector field office manager for the Federal Aviation Administration (FAA). His daughter, Lori Ann, graduated with a bachelor's degree in education from UHM in 1991. He makes his home in Mililani. • **Reginald H.F. Young** (CE 59) is the Interim Dean for the UHM College of Engineering. He lives in Honolulu.

1960s

Warren Kuwahara (EE 64) is retired. He resides in Everett, Washington. • **Sam Callejo** (CE 65) is deputy managing director for the City and County of Honolulu. He was previously vice president and chief engineer at Community Planning Inc. He makes his home in Kaneohe. • **Carl Kawauchi** (EE 65) is a project manager with M & E Pacific. He lives in Aiea. • **Allen T. Kaya** (ME 65) is a supervisory mechanical engineer at Hickam Air Force Base. He resides in Aiea. • **Mervyn W. Lee** (CE 65) is president of Mervyn W. Lee, A Law Corporation. He makes his home in Honolulu. • **Darwin Hamamoto** (CE 66) is a civil engineer for the City & County of Honolulu. He lives in Honolulu. • **Wesley S. Takemori** (ME 68) is a mechanical engineer at Pearl Harbor Naval Shipyard. He lives in Pearl City. • **John L. Arizumi** (ME 69) is president of Carrier Hawaii. He lives in Mililani.

1970s

Arthur Nakagawa (EE 74) is an engineer at the Naval Command Control & Ocean Surveillance Center (NCCOSC). He lives in Kailua. • **Lester H. Fukuda** (CE 76) is senior vice president of Hawaii Pacific Engineers Inc. He lives in Mililani. • **Mark K. Ebesu** (EE 78) is a senior electronics engineer at NISE WEST Hawaii. He lives in Mililani. • **Eric T. Hirano** (CE 78) is planning branch chief for the Department of Land & Natural Resources, Division of Water Resource Management. He lives in Honolulu. • **Norman Nagamine** (CE 78) recently opened his own consulting structural engineering firm, Nagamine Engineers Inc., in downtown Honolulu. He was previously a structural engineer with Martin & Bravo Inc. He resides in Mililani. • **Craig S. Miyachi** (CE 79) is a facilities engineer at Pearl Harbor. He makes his home in Aiea. • **Alan T. Okamoto** (CE 79) is vice president of Hida, Okamoto & Associates. He lives in Honolulu. • **Russell T. Yamada** (CE 79) is employed as a nuclear facilities and equipment manager at the Department of the Navy, Pearl Harbor Naval Shipyard. He lives in Honolulu.

1980s

JoAnne M. Nakamura (CE 81) is employed at Engineers Surveyors Hawaii. She resides in Honolulu. • **Lawrence Ornellas** (EE 81) is employed at Hawaiian Electric as technical superintendent of the Kahe Power Plant. He makes his home in Waipahu. • **Arnold Lam** (CE 82) is a civil engineer for Hawaiian Electric. He lives in Honolulu. • **Patrick K. Miyahira** (CE 82) is employed at Austin, Tsutsumi & Associates Inc. He lives in Wailuku. • **Frank Yamada** (EE 84) is a senior member of the technical staff at the TRW Inc. He resides in Torrance, California. • **Lynn K. Tamashiro** (ME 85) is a mechanical engineer for the Navy Public Works Center. She was previously an engineer at GTE Hawaiian Tel. She resides in Mililani. • **Ku'ulei Ching Kent** (EE 86) is the mother of two-year-old twins, a girl and a boy. She works as a technical supervisor at the Hughes Aircraft. She currently resides in Gardena, California.

Continued on next page

Paul In (CE 53) has retired from the California Department of Transportation. As chief of project development- branch A, he supervised the final stages of the development of the I-105 freeway and several other complex transportation projects. In leaves behind the I-105 Glenn M. Anderson (Century) Freeway on schedule to open in October of 1993, within its $2.3 billion budget. The state-of-the-art freeway will be the first built from scratch to incorporate the latest technology in traffic monitoring and control, car pool and bus lanes and a light rail line. In, whose hobbies include amateur radio and model trains, lives in Rosemead, California.

ENGINEERING ALUMNI UPDATE

Name_____

Address _____ Phone Bus ( )_____

City _____ State_____ Zip Code_____ Res ( )_____

Employer/Company_____

JobTitle/Description_____

Year Graduated (BS)_____ Major (CE, ME, EE?) _____ Graduate degrees _____

News about children, marriages, promotions, hobbies, travel, etc.

Please share what you are doing with your classmates. Send your news to: Newsletter Editor, College of Engineering, 2540 Dole St., Holmes Hall 240, Honolulu, HI 96822

If you want to join the Engineering Alumni Association or pay your 1993 dues, please use this form. Annual membership rate is $10/year. Annual membership rates for the University of Hawaii Alumni Assocation are: Oahu: New Graduate - $25, Single - $35, Couple - $45. Mainland/Neighbor Islands: Single - $20, Couple - $30. Rates for Single and Couple Life Members are $500 and $800, respectively. $10 of whatever category you choose will go to the Engineering Association for dual membership. Make your check payable to Engineering Alumni Association and mail to P.O. Box 12204, Honolulu, HI 96828.

Alumni News

• **Gerald Honma** (EE 87) works as a service systems support administrator for GTE Hawaiian Tel. He was an Individual Quality-Internal Category finalist for the GTE Telops President's Quality Awards. He was married last summer and currently resides in Waipahu. • **Timothy Lum** (ME 87) is a payloads design engineer at the Boeing Company. He lives in Issaquah, Washington. • **Clyde Young** (ME 87) is a Mechanical Engineer III for the County of Hawaii Department of Water Supply. He moved to the Big Island in October 1991 to work with the county. He lists table tennis, jogging, computer work and surfing as his hobbies. He lives in Hilo. • **Tracy Y. Kazunaga** (ME 88) is a mechanical engineer at the Directorate of Public Works, U.S. Army. He makes his home in Honolulu. • **Dean G. Eugenio** (EE 89) is a project engineer at Pan-Pacific Construction Inc. He lives in Mililani. • **Dean M. Fujita** (ME 89) is a project engineer at Oahu Construction Company. He earned an M.S. in aerospace engineering in 1991 from the University of Colorado. He lives in Honolulu.

1990s

Wallace Y. Fukumae (EE 90) is an electronics engineer at Naval Ocean Systems Center in San Diego. He lives in San Diego, California. • **Gregg Isara** (EE 90) is a member of technical staff at Hughes Aircraft, Radar Systems Sector. He makes his home in Torrance, California. • **Ann (Oshiro) Wong** (CE 90) is a civil engineer at the Board of Water Supply. She resides in Ewa Beach. • **Sheri Yoshioka** (ME 90) married **Eric T. Higashionna** (EE 90) on August 2, 1992. She is a project engineer for Prepose Engineering Systems Inc. They make their home in Honolulu. • **Aaron Young** (CE 90) completed a combat engineering course at the Air Force Institute of Technology at WPAFB in Ohio in 1992. He works as a peace civil engineer for the U.S. Air Force civil engineering squadron. In his spare time, he enjoys racing motorcycles, skiing and hunting. • **John Czyz** (ME 91) is a nuclear engineer at Pearl Harbor Naval Shipyard. He lives in Honolulu. • **Ferdinand L. Jaramilla** (ME 91) is an engineer for Kagimoto and Associates. He resides in Kaumakani, Kauai. • **Peter Len** (ME 91) is a mechanical engineer at Thermal Engineering Corp. He says that he enjoys playing soccer. He resides in Aiea. • **Clinton Ambrose** (CE 92) is a structural engineer at SSFM Engineers. He lives in Kaimuki. • **Deborah Arakaki** (EE 92) currently works as designer I at the Hawaiian Electric Company. She was one of four students in the nation who received Alton B. Zerby Outstanding Electrical Engineering Student Honorable Mention Awards. The awards were given by Eta Kappa Nu, a national honorary electrical engineering society. Criteria for the award include scholastic achievements, extra-curricular activities, demonstrated interest in community and fellow human beings, and regard for country. • **Carolyn Endo** (CE 92) is a civil engineer at Belt Collins & Associates. She lives in Honolulu. • **Sharon Kitamura** (EE 92) works at Motorola Inc. as a process development engineer. She resides in Mesa, Arizona. • **Tony Lau** (CE 92) is a junior engineer at Hawaii Pacific Engineers Inc. He lives in Honolulu. • **Haley Miyagi** (EE 92) resides in Pearl City and works as an engineering technician for the Navy Publics Works Center at Pearl Harbor. • **Marian Nakama** (CE 92) is working as an engineer I at Fletcher Pacific Construction Co., Ltd. She lives in Honolulu. • **Takamasa Ogasawara** (ME 92) is a student at the University of California at Berkeley. • **Andrew Sekioka** (CE 92) is a civil engineer at Wilson Okamoto & Associates. He lives in Honolulu. • **Mark Yonamine** (CE 92) is also a civil engineer at Wilson Okamoto & Associates. He resides in Honolulu.

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